

5.

Konformitätserklärung  
 Declaration of Conformity  
 Déclaration de conformité



Nº 03-9829-0093 and 03-9829-0094

Wir	We	Nous
<b>BARTEC GmbH</b> Max-Eyth-Straße 16 97980 Bad Mergentheim Germany		
erklären, dass der Akku	declare that the battery	attestons que le la batterie

**BARTEC Type 03-9829-0093 and 03-9829-0094**

auf den sich diese Erklärung bezieht den Anforderungen des folgenden <b>Handbuch</b> entspricht  <b>Handbuch der Tests und Kriterien der Vereinten Nationen</b>  <b>Abschnitt 38.3</b>	to which this declaration relates is in accordance with the provision of the following <b>manual</b>  <b>Manuel of Tests and Criteria of the United Nations</b>  <b>Section 38.3</b>	se référant à cette attestation correspond aux dispositions des <b>manuels</b> suivants  <b>Manuel des tests et critères des Nations unies</b>  <b>la section 38.3</b>
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<b>Wir erklären das der Akku vom genannten BARTEC Typ baugleich ist zum Akku vom Lieferanten</b>	<b>We declare that the battery of the named BARTEC type is identical in construction to the battery from the supplier</b>	<b>Nous déclarons que la batterie de type BARTEC est de construction identique à la batterie du fournisseur</b>
--------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------

Supplier name: i.safe Mobile GmbH  
 Sub supplier of i.safe Mobile GmbH: Zhengzhou BAK Battery Co., LTD

Supplier Type: BPIS320.1A

Bad Mergentheim, 18.03.2020

  
**Approved**

i.A. Sarah Springer

Product Manager Enterprise Mobility

  
**Reviewed**

i.A. Ralph Lanig

Project Manager

# LITHIUM BATTERY TEST SUMMARY AND SUPPLIER INQUIRY

IN ACCORDANCE WITH SUB-SECTION 38.3  
OF MANUAL OF TESTS AND CRITERIA

N/A = Not Applicable

<b>1. Name/Description of battery</b>
<b>BPIS320.1A</b>

<b>1a. Name/Description of the cells inside the battery</b>
<b>BAK 043855A</b>

The test summary of the cells inside the battery must either be presented or under checkpoint 9 and 9a it must be confirmed that the UN 38.3 test summary for the cells is available.

<b>2. Manufacturer of battery</b>	
Name	Zhengzhou BAK Battery CO., LTD
Address	LiuQiao Village Zheng An town Zhongmou county Zhengzhou city, Henan 451450, P. R. China
Phone	+86-755-61886818
Email	
Website	www.bakpower.com

<b>2a. Manufacturer of the equipment (if the battery is contained in equipment)</b>	
Name	N/A
Address	
Phone	
Email	
Website	

<b>3. Test laboratory of battery</b>	
Name	Pony Testing International Group
Address	Bldg1, Court 66, Jindai Road, Zhongguancun Environmental Protection Park, Haidian District, Beijing
Phone	86-10-83055000/82618116
Email	pony@ponytest.com
Website	www.ponytest.com

<b>4. ID-number and date</b>			
Unique test report identification number	<b>MDIK4HDU67662721</b>	Date of test report	<b>2017-01-12</b>

# LITHIUM BATTERY TEST SUMMARY AND SUPPLIER INQUIRY

IN ACCORDANCE WITH SUB-SECTION 38.3  
OF MANUAL OF TESTS AND CRITERIA

Name/Description of battery (taken from field 1)

BPIS320.1A

## DESCRIPTION OF BATTERY

### 5. Mark the type of battery with an "●"

<input checked="" type="radio"/>	Lithium ion battery	Lithium metal battery	<input type="radio"/>
<input type="radio"/>	Lithium hybrid battery		

### 6. Parameters

Mass in gram (g):	55.8g
Lithium ion: Indicate watt-hour rating (Wh):	7.03Wh
Lithium metal: Indicate lithium metal content in gram (g):	
Lithium hybrid: Indicate lithium metal content in gram (g) and watt-hour rating (Wh):	g Wh

### 7. Physical description of battery

1ICP5/38/55-2

### 8. Model numbers

BPIS320.1A

## TESTS AND RESULTS

9. List of tests conducted and results - Mark N/A, pass or fail with an "●"	N/A	pass	fail
T1 - Altitude simulation	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
T2 - Thermal Test	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
T3 - Vibration	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
T4 - Shock	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
T5 - External Short Circuit	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
T6 - Impact - for cylindrical cells having a diameter of at least 18 mm See check point 1a and 9a.	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
T6 - Crush - for prismatic cells, pouch cells, button cells and cylindrical cells having a diameter of less than 18 mm. See check point 1a and 9a.	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
T7 - Overcharge	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
T8 - Forced Discharge, only valid for cells. See check point 1a and 9a.	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

# LITHIUM BATTERY TEST SUMMARY AND SUPPLIER INQUIRY

IN ACCORDANCE WITH SUB-SECTION 38.3  
OF MANUAL OF TESTS AND CRITERIA

Name/Description of battery (taken from field 1)

BPIS320.1A

## 9a. UN 38.3 Test Confirmation for the Cells inside the battery

When no separate document for the cells is provided, this confirms that the cells inside the battery (see checkpoint 1.a.) have successfully passed the UN 38.3 test. In this case under checkpoint 9 the T.6 and T.8 must be marked as „passed“ and here under 9.a. „Cell UN 38.3 Test confirmed“ needs to be ticked.



Cell  
UN 38.3 Test  
confirmed

Cell  
UN 38.3 Test  
NOT  
confirmed



## 10. Reference to assembled battery testing requirements

N/A



## 11. Reference to the revised edition of the Manual of Tests and Criteria used and to amendments thereto

## ADDITIONAL SUPPLIER INQUIRY

### 12. Quality management system for manufacturing batteries

Does the manufacturer of the battery manufacture the products based on a documented quality management system according to transport regulations?



YES

NO



### 13. Are the following parameters exceeded?

Lithium ion battery: more than 100 Wh  
Lithium metal battery: more than 2 g Lithium  
Lithium hybrid Battery: more than 1,5 g Lithium and/or more than 10 Wh



YES

NO



### Check point 14 – 16 need to be answered when 13 has been ticked "YES":

14. Does each battery incorporates a safety venting device or is designed to preclude a violent rupture under normal conditions of carriage?



YES

NO



15. Is each battery equipped with an effective means of preventing external short circuits?



YES

NO



16. Is each battery containing cells or series of cells connected in parallel equipped with effective means as necessary to prevent dangerous reverse current flow (e.g. diodes, fuses, etc.)?



N/A



YES

NO



### 17. Only in air transport: State of Charge (SoC) for UN 3480 Lithium ion batteries and lithium polymer batteries

State of Charge (SoC) max. 30 %



N/A



YES

NO




# LITHIUM BATTERY TEST SUMMARY AND SUPPLIER INQUIRY

IN ACCORDANCE WITH SUB-SECTION 38.3  
OF MANUAL OF TESTS AND CRITERIA

Name/Description of battery (taken from field 1)
BPIS320.1A

## BATTERIES INSTALLED IN EQUIPMENT

18. Check point 18 needs to be answered when the batteries are installed in articles:					
18.a) Only button cells enclosed?	<input type="radio"/>	YES	NO	<input type="radio"/>	
18.b) Number of enclosed batteries per equipment					
When the equipment is intentionally active/switched on during transport e.g. data loggers:					
18.c) Confirmation that no dangerous amount of heat is emitted from the equipment	<input type="radio"/>	N/A	<input type="radio"/>	YES	NO <input type="radio"/>
18.d) Confirmation that the equipment when transported by air fulfills the defined air transport standards for electromagnetic radiation according to DO-160	<input type="radio"/>	N/A	<input type="radio"/>	YES	NO <input type="radio"/>

19. Place, Date	20. Title, Surname, First name	21. Company stamp and signature
Lauda-Koenigshofen, 2020-03-16	Dirk Amann Managing Director	

i.safe MOBILE GmbH  
i\_Park Tauberfranken 10  
D 97922 Lauda-Königshofen

